



**CA-NV AWWA Water Loss Technical Assistance Program**  
**Wave 4 Water Audit Level 1 Validation Document**

Water System Name: Orchard Dale Water District Water System ID Number: CA190101 Water Audit Period: Fiscal Year 2016/17

**Water Audit & Water Loss Improvement Steps:**

We are going to attempt to test approximately 80 meters. We will test and calibrate the master supply meter to comply to the standards described in AWWA Manual 36 – Appendix “A”. As for all of the recommendations for any automation suggestions and testing, the District will obtain bids on these suggested modifications. Since these enhancements were not included in our budget, the continued efforts and modifications will be decided once the associated costs are reviewed.

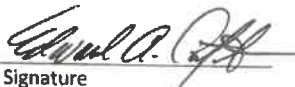
Our billing software and bimonthly billing processes will not change. The District has recently modified our complete billing system and will not be changing this process any time soon.

**Certification Statement by Utility Executive:**

This water loss audit report meets the requirements of California Code of Regulations Title 23, Division 2, Chapter 7 and the California Water Code Section 10608.34 and has been prepared in accordance with the method adopted by the American Water Works Association, as contained in their manual, *Water Audits and Loss Control Programs, Manual M36, Fourth Edition* and in the Free Water Audit Software version 5.

Edward A. Castaneda  
Executive Name (Print)

General Manager  
Executive Position

  
Signature

10-26-17  
Date

Utility Provided

## CA-NV AWWA Water Loss Technical Assistance Program Wave 4 Water Audit Level 1 Validation Document

### Audit Information:

Utility: Orchard Dale Water District PWS ID: 1910101

System Type: Potable Audit Period: Fiscal Year 2016/17

Utility Representation: Randy Silvett (Superintendent), Ed Castaneda (General Manager)

Validation Date: 8/28/2017

Call Time: 9:00 AM

Sufficient Supporting Documents Provided: Yes

### Validation Findings & Confirmation Statement:

#### Key Audit Metrics:

Data Validity Score: 58 Data Validity Band (Level): Band III (51-70)

ILI: 3.24

Real Loss: 41.16 (gal/conn/day)

Apparent Loss: 9.47 (gal/conn/day)

Non-Revenue Water as a Percentage of Operating Costs: 4.9%

#### Certification Statement by Validator:

This water loss audit report has been Level 1 validated per the requirements of California Code of Regulations Title 23, Division 2, Chapter 7 and the California Water Code Section 10608.34.

All recommendations on volume derivation and Data Validity Grades were incorporated into the water audit. ☒

### Validator Information:

Water Audit Validator: Drew Blackwell / Larry Lewison (support) Validator Qualifications: Contractor for CA-NV AWWA Water Loss TAP

Validator Provided